$L_2(23)$ (mod 3)

	blocks	defect	matrix
$G:$	1	1	3×2
	2	1	3×2
	3	1	3×1
	4	0	$24_1 = \chi_{10}, \varphi_6$
	5	0	$24_2 = \chi_{11}, \varphi_7$
	6	0	$24_3 = \chi_{12}, \varphi_8$
	7	0	$24_4 = \chi_{13}, \varphi_9$
	8	0	$24_5 = \chi_{14}, \varphi_{10}$
$2.G:$	9	0	$12_1 = \chi_{15}, \varphi_{11}$
	$10 = \overline{9}$	0	$12_2 = \chi_{16}, \varphi_{12}$
	11	1	3×1
	12	1	3×1
	13	0	$24_6 = \chi_{23}, \varphi_{15}$
	14	0	$24_7 = \chi_{24}, \varphi_{16}$
	15	0	$24_8 = \chi_{25}, \varphi_{17}$
	16	0	$24_9 = \chi_{26}, \varphi_{18}$
	17	0	$24_{10} = \chi_{27}, \varphi_{19}$

Block 1:	φ_1	φ_4
$1_1 = \chi_1$	1	.
$22_1 = \chi_4$	.	1
$23_1 = \chi_9$	1	1

$\varphi_1 = 1_1$
$\varphi_4 = 22_1$

Block 2:	φ_2	φ_3
$11_1 = \chi_2$	1	.
$11_2 = \chi_3$	.	1
$22_3 = \chi_6$	1	1

$\varphi_2 = 11_1$
$\varphi_3 = 11_2$

Block 3:	φ_5
$22_2 = \chi_5$	1
$22_4 = \chi_7$	1
$22_5 = \chi_8$	1

$\varphi_5 = 22_2$

Block 11:	φ_{13}
$22_6 = \chi_{17}$	1
$22_{10} = \chi_{21}$	1
$22_{11} = \chi_{22}$	1

$\varphi_{13} = 22_3$

Block 12:	φ_{14}
$22_7 = \chi_{18}$	1
$22_8 = \chi_{19}$	1
$22_9 = \chi_{20}$	1

$$\varphi_{14} = 22_4$$